Index

ALBUQUERQUE, L. R.; PERINI, A., and MOTA, I.: Failure of Insoluble Antigens to Elicit Anaphylactic Reactions 797

ALM, G. V.: *In vitro* Studies of Chicken Lymphoid Cells. IV. The Effect of Thymectomy on the Antibody Response *in vivo* and on the *in vitro* Reactivity of Spleen Cells to Sheep Erythrocytes, Allogeneic Cells and Phytohemagglutinin 345

ALMEIDA, DINAH B. DE and FRANCO, M. F. DE: Isolated Glomerular Basement Membrane as Antigen in Indirect Immunofluorescent Test for Identification of Circulating Rabbit Anti-Rat Glomerular-Basement Membrane Antibodies 559

AMDUR, MARY O.: vide PIERONI, R. E.

AMKRAUT, A. A.: vide MACKLER, B.

ANDERSEN, B.: vide PATTERSON, R.

ANKIER, S. I.: Disodium Cromoglycate and Inhibition of Passive Cutaneous Anaphylaxis 163

ARBESMAN, C. E.: vide ITO, KOJI

ARQUEMBOURG, P.: vide SALVAGGIO, J.

ARTIS, W.; SCHELL, K., and BLAZKOVEC, A. A.: Effects of Anti-Lymphocyte, Anti-Macrophage and Anti-Thymocyte Serum IgG on the Immune Response. III. Treatment of Immunocompetent Cells *in vivo* and *in vitro* with Immune IgG and Their Capacity to Passively Transfer Local Cutaneous Hypersensitivity Using Inbred Guinea Pigs 321

AUGUSTIN, R. and CHANDRADASA, K. D.: IgE Levels and Allergic Skin Reactions in Cancer and Non-cancer Patients 141

AUGUSTIN, R.; O'SULLIVAN, S., and I. AB I. DAVIES: Isolation of Grass Pollen Antigens Failing to Induce IgE Reagin Formation Although Capable of Inducing IgG Antibody Formation 144

AUSTEN, K. F.: vide ORANGE, R. P.

BAGULEY, B. C.: vide MARBROOK, J.

BARBARO, J. F.: vide COLWELL, E. J.

BEEGER, I.: vide KELLER, R.

BELIN, L. and STRANNEGÅRD, Ö.: Antibody Response in Rabbits Following Intranasal and Parenteral Administration of Birch Pollen 655

BENEZRA, D.; GERY, I., and DAVIES, A. M.: Peripheral Lymphocyte Populations. Changes in Antigen Requirements for Stimulation *in vitro* 381

BENNICH, H.: vide JOHANSSON, S. G. O.

BERG, P. A.: vide DONIACH, D.

BERG, T. and JOHANSSON, S. G. O.: *In vitro* Diagnosis of Atopic Allergy. II. IgE and Reaginic Antibodies during and after Rush Desensitization 434

BERG, T. and JOHANSSON, S. G. O.: *In vitro* Diagnosis of Atopic Allergy. IV. Seasonal Variations of IgE Antibodies in Children Allergic to Pollens. A

Study of Nontreated Children and of Children Treated with Inhalation of Disodium Cromoglycate 452
Berg, T.: vide Johansson, S. G. O.
Bernardis, L. L.: vide Thrasher, Susan G.
Bernardo, R. De: vide Lichtenstein, L. M.
Bernauer, W.: vide Hahn, F.
Berrens, L.: The Chemical Classification of Atopic Allergens: An Attempt at Integration 186
Bice, D.; Schwartz, H. J.; Lake, W. W., and Salvaggio, J.: The Effect of Carrageenan on the Establishment of Delayed Hypersensitivity 628
Bice, D.: vide Salvaggio, J.
Bickers, J.: vide Salvaggio, J.
Biliotti, G.: vide Ricci, M.
Blazkovec, A. A.: vide Artis, W.
Blazkovec, A. A.: vide Schell, K.
Bloom, B. R.: A Potential Method for Enumerating Antigen-sensitive Cells in Delayed Hypersensitivity 91
Brandfonbrener, M.: vide Patterson, R.
Bui-Mong-Hung: vide Liacopoulos, P.
Bültimann, B.; Sodomann, C. P.; Heymer, B.; Haferkamp, O., and Schmidt, W. C.: Loss of Macrophages from Peritoneal Exudates of Sensitized Rats After Injection of Streptococcal Antigens 491
Bundeally, Amina E.: vide Pieroni, R. E.
Bürki, H.: vide Cottier, H.
Businco, E.: vide Businco, L.
Businco, L.; Businco, E., and Businco, L.: Organ Transplants, Allergy and Histio-capillary Unit Reactions 140
Businco, L.: vide Businco, L.
Chandradasa, K. D.: vide Augustin, R.
Coghlan, Patricia: vide Maguire, H. C., jr.
Cohen, S.: vide Thrasher, Susan G.
Colwell, E. J.; Ortaldo, J. R.; Schoenbechler, M. J., and Barbaro, J. F.: *In vivo* Passive Sensitization of Normal Rabbit Leukocytes with Sera Demonstrating Homocytotropic Antibody Activity 754
Constantinopoulos, P.: vide McEwen, L. M.
Cooper, M. D.: vide Lemmel, E.-M.
Cottier, H.; Schindler, R.; Bürki, H.; Sordat, B.; Joel, D. D., and Hess, M. W.: Kinetic Aspects of Lymphocyte Recirculation 4
Daniel, K.: vide Schell, K.
David, J. R.: vide Remold, H. G.
Davies, A. M.: vide Benezra, D.
Davies, G. E. and Johnston, T. P.: Quantitative Studies on Anaphylaxis in Guinea Pigs Passively Sensitized with Homologous Antibody 648
Dinoeva, S.: vide Liacopoulos, P.
Dixon, F. J.: vide Tung, K. S. K.
Doniach, D.; Lindqvist, H. L., and Berg, P. A.: Non-Organ-Specific Cytoplasmic Antibodies Detected by Immunofluorescence 501

DORLING, J.: vide LOEWI, G.
DOUGLAS, S. D.: vide HUBER, H.
EISEN, A. H.: vide HUBSCHER, T.
FAIRLEY, V. M.: vide GREAVES, M. W.
FERBER, E.: vide FISCHER, H.
FICHTELIUS, K. E.; LIDÉN, S., and GROTH, O.: The Skin – a First Level Lymphoid Organ? 13
FICHTELIUS, K. E.: vide LEMMEL, E.-M.
FISCHER, H.; FERBER, E.; KOREN, H., and RESCH, K.: Biochemical Studies of Lymphocyte Cytotoxicity 47
FISHEL, CH. W.: vide O'BRYAN, BRENDA, S.
FRANCO, M. F. DE: vide ALMEIDA, DINAH B. DE
FREI, P. C.: vide PERRUDET-BADOUX, ANNE
FREY, J. R.; WECK, A. L. DE; GELEICK, H., and POLAK, L.: Induction of Tolerance During the Primary Response to Simple Chemicals 148
FRÖLAND, S. S. and NATVIG, J. B.: Effect of Polyspecific Rabbit Anti-Immunoglobulin Antisera on the Response of Human Lymphocytes in Mixed Lymphocyte Culture 248
GECSE, Á.; ZSILINSZKY, E.; LONOVICS, J., and WEST, G. B.: C-phenylglycine-n-heptyl Ester as an Inhibitor of Mediators of Allergic Reactions 174
GECSE, Á.: vide KARÁDY, S.
GELEICK, H. vide FREY, J. R.
CERY, I.: vide BENEZRA, D.
GIRARD, J. P.; POUPON, M. F., and PRESS, P.: Culture of Lymphocytes from Sarcoidosis Stimulation by Means of a Blastogenic Factor from Sensitized Donor Cells 128
GIRARD, J.-P.; POUPON, M. F., and PRESS, P.: Culture of Peripheral Blood Lymphocytes from Sarcoidosis; Response to Mitogenic Factor 604
GLAZER, I.; RACZ, I., and MOLHO, M.: Double Blind Single Crossover Clinical Evaluation of Disodium Cromoglicate in Bronchial Asthma 161
GLYNN, L. E.: vide LOEWI, G.
GOLDBERG, L. S.: vide HUBER, H.
GOOD, R. A.: vide LEMMEL, E.-M.
GOODFRIEND, L.: vide TANNENBAUM, MARION
GOWANS, J. L.: Cellular Events During the Inducation of Immune Responses . . 1
GREAVES, M. W.; FAIRLEY, V. M., and YAMAMOTO, S.: Release of Histamine from Skin during *in vitro* Anaphylaxis. Cutaneous Anaphylaxis *in vitro* . . . 932

HAAN, E. DE: vide OTTENS, H.
HADDAD, Z. H. and KOROTZER, J. L.: *In vitro* Studies on the Mechanism of Penicillin and Ampicillin Drug Reactions 72
HAFERKAMP, O.: vide BÜLTIMANN, B.
HAHN, F. and BERNAUER, W.: Studies of Protracted Shock in Guinea Pigs 166
HALBERT, S. P.: The Cardiac Auto-immune System 117
HALBERT, S. P.: vide THOMPSON, A.
HANSON, L. Å.: vide HOLMGREN, J.
HERMAN, P. S. and SAMS, W. M. ,jr.: Cellular Reactions in Contact Photoallergy . 551

Hess, M. W.: vide Cottier, H.
Heymer, B.: vide Bültmann, B.
Holm, S. E.: vide Holmgren, J.
Holmgren, J.; Hanson, L. Å.; Holm, S. E., and Kaijser, B.: An Antigenic Relationship Between Kidney and Certa in *Escherichia coli* Strains 463
Huber, C.: vide Huber, H.
Huber, H.; Douglas, S. D.; Huber, C., and Goldberg, L. S.: Human Monocyte Receptor Sites. Failure of IgA to Demonstrate Cytophilia 262
Hubscher, T. and Eisen, A. H.: Allergen Binding to Human Peripheral Leukocytes 689
I. ab I. Davies: vide Augustin, R.
Inderbitzin, Th. M.: Immunologic Properties of Anti-lymphocyte Sera 110
Inderbitzin, Th. M.: vide Indgin, S. N.
Indgin, S. N. and Inderbitzin, Th. M.: An Attempt to Transfer Delayed Allergic Contact Sensitivity to DNCB with Plasma 868
Ito, Koji; Wicher, K., and Arbesman, C. E.: Studies on IgE Fragments Prepared by Papain Digestion 477
Ivanyi, L. and Lehner, T.: The Significance of Serum Factors in Stimulation of Lymphocytes from Patients with Periodontal Disease by *Veillonella Alcalescens* 620
Joel, D. D.: vide Cottier, H.
Johansson, S. G. O.; Bennich, H., and Berg, T.: *In vitro* Diagnosis of Atopic Allergy. III. Quantitative Estimation of Circulating IgE Antibodies by the Radioallergosorbent Test 443
Johansson, S. G. O.: vide Berg, T.
Johnston, T. P.: vide Davies, G. E.
Jones, V. E.: vide Keller, R.
Juji, T.; Kano, K., and Milgrom, F.: Antibody-Induced Lysis of Nucleated Cells in Agar Gel 739
Kaijser, B.: vide Holmgren, J.
Kano, K.: vide Juji, T.
Kano, Kyoichi: vide Milgrom, F.
Karády, S.; Gecse, Á.; Lonovics, J.; Zsilinszky, E., and Nikolasev, V.: The Possible Role of Endogenous Glucosamine in Antiallergic States . . . 169
Kasukawa, R. and Milgrom, F.: Reactions of Human Sera with Tissue Particles 821
Kaufman, D. B.: vide McIntosh, R. M.
Keller, R. and Beeger, I.: Increase in the Sensitivity of the Rat to Histamine Following Infection with *Nippostrongylus brasiliensis* 278
Keller, R. and Jones, V. E.: Immune Reactions to *Nippostrongylus brasiliensis* in the Rat Immunological and Pharmacological Analysis of Primary and Secondary Immune Response 86
Kerp, L.: Quantitative Data Concerning the Localisation of Antibody Binding Sites on Insulin and Proinsulin Molecules 216
Kiefer, D.: vide Thompson, A.
Klassen, J.: vide Milgrom, F.
Komoto, S.: vide Yamasaki, H.

KONTIAINEN, S.: Effect of Number of Haptens per Carrier Molecule on an Adoptive Secondary Anti-Hapten Response 729
KOREN, H.: vide FISCHER, H.
KOROTZER, J. L.: vide HADDAD, Z. H.
KREJCI, J.: vide PICK, E.
KULVINSKAS, C.: vide MCINTOSH, R. M.
LAKE, W. W.: vide BICE, D.
LEE, A. K. Y.; MACKAY, I. R., and ROWLEY, M.: Measurement of Antibody-Producing Capacity in Man. III. The Response to Flagellin from *Salmonella adelaide* in Chronic Diseases 358
LEHNER, T.: vide IVANYI, L.
LEMMEL, E.-M.; COOPER, M. D., and GOOD, R. A.: Neonatal Thymectomy and the Antibody Response to Sheep Erythrocytes in Mice 873
LEMMEL, E.-M. and FICHTELIUS, K. E.: Life Span of Lymphocytes within Intestinal Epithelium, Peyer's Patch Epithelium, Epidermis, and Liver of Mice . . 716
LEVINE, B. B.: Atopy and Mouse Models 88
LEVINE, L.: vide PIERONI, R. E.
LIACOPOULOS, P.; BUI-MONG-HUNG and DINOEVA, S.: Transplantation Tolerance Following Transfer of Donor Spleen Cells in Adult Animals 101
LICHTENSTEIN, L. M. and BERNARDO, R. DE: IgE Mediated Histamine Release: *in vitro* Separation into two Phases 56
LIDÉN, S.: vide FICHTELIUS, K. E.
LIN, T. M.: vide THOMPSON, A.
LINDAHL-KIESSLING, K. and SÄFWENBERG, J.: Inability of US-Irradiated Lymphocytes to Stimulate Allogeneic Cells in Mixed Lymphocyte Culture . . . 670
LINDQVIST, H. L.: vide DONIACH, D.
LIPTON, M. M.: vide WACKER, W. B.
LOEWI, G.; DORLING, J., and GLYNN, L. E.: The Origin of Antibody-producing Cells in Experimental Synovitis 132
LONGBOTTOM, J. L.: vide PEPYS, J.
LONOVICS, J.: vide GECSE, Á.
LONOVICS, J.: vide KARÁDY, S.
MACKAY, I. R.: vide LEE, A. K. Y.
MACKLER, B.; MALLEY, A., and AMKRAUT, A. A.: Antigen Mediated Transformation of Rhesus Lymphocytes in Immediate and Delayed Hypersensitivity 765
MAGE, ROSE G.: vide WINFIELD, J. B.
MAGUIRE, H. C., jr. and COGHLAN, PATRICIA: The Rapid Adjuvant Effect in the Acquisition of Delayed Hypersensitivity to Low Molecular Weight Sensitizers in the Guinea Pig 679
MALLEY, A.: vide MACKLER, B.
MARBROOK, J. and BAGULEY, B. C.: The Recovery of Immune Responsiveness after Treatment with Cyclophosphamide 802
MARSH, D. G.: Preparation and Properties of 'Allergoids' Derived from Native Pollen Allergens by Mild Formalin Treatment 199
MARTIN, W. J.: vide WINFIELD, J. B.
MCANINCH, J.: vide PATTERSON, R.

McEwen, L. M. and Constantinopoulos, P.: The Use of a Dietary and Antibacterial Regime in the Management of Intrinsic Allergy 160
McIntosh, R. M.; Kulvinskas, C., and Kaufman, D. B.: Cryoglobulins. II. The Biological and Chemical Properties of Cryoproteins in Acute Post-Streptococcal Glomerulonephritis 700
McKay, I. C.: vide Wilkinson, P. C.
Milgrom, F.; Klassen, J., and Kano, Kyoichi: Rejection of Renal Homografts 98
Milgrom, F.: vide Juji, T.
Milgrom, F.: vide Kasukawa, R.
Modabber, F. Z. and Sapse, A. T.: Competition of Normal γ-Globulins with Cytophilic Antibody for Corneal Cells 845
Molho, M.: vide Glazer, I.
Mota, I.: vide Albuquerque, L. R.
Natvig, J. B.: vide Fröland, S. S.
Neher, G. H. and Siegel, B. V.: Ultrastructure of 19S Antibody-Producing Cells from ALS, PHA and D_2O-Treated Animals 268
Nikolasev, V.: vide Karády, S.
Nordqvist, B. and Rorsman, H.: Macrophage Aggregation *in vitro* in Human Delayed Hypersensitivity 127
O'Bryan, Brenda S. and Fishel, Ch. W.: Aggregation of Platelets of Normal and *Bordetella pertussis* Vaccinated Mice by ATP, ADP, and Sodium Fluoride 514
Orange, R. P. and Austen, K. F.: Drug-Induced Modulation of the Immunologic Release of Histamine and Slow Reacting Substance of Anaphylaxis . . 79
Ortaldo, J. R.: vide Colwell, E. J.
Osler, A. G.: Mechanisms of Immediate Allergic Reactions 49
O'Sullivan, S.: vide Augustin, R.
Ottens, H.; Haan, E. De and Sengers, C. H. J.: A Search for High Molecular Impurities in Penicillin G 575
Packalén, T. and Wasserman, J.: Inhibition of Migration of Normal Guinea-Pig Blood Leukocytes by Homologous Immune γ_2-Globulin in the Presence of Specific Antigen 790
Packalén, T.: vide Wasserman, J.
Palutke, Margarita: vide Perper, R.
Parker, Ch. W.; Smith, J. W., and Steiner, A. L.: Early Effects of Phytohemagglutinin (PHA) on Lymphocyte Cyclic AMP Levels 40
Passaleva, A.: vide Ricci, M.
Patterson, R.; Andersen, B.; McAninch, J., and Roberts, Mary: Precipitation Reactions of an IgA Myeloma Protein with Nitrophenylated Proteins . 531
Patterson, R.; Talbot, Catharine H., and Brandfonbrener, M.: The Use of IgE Mediated Responses as a Pharmacologic Test System. The Effect of Disodium Cromoglycate in Respiratory and Cutaneous Reactions and on the Electrocardiograms of Rhesus Monkeys 592
Pepys, J. and Longbottom, J. L.: Antigenic and C-substance Activities of Related Glycopeptides from Fungal, Parasitic and Vegetable Sources 219
Perini, A.: vide Albuquerque, L. R.
Perlmann, H.: vide Perlmann, P.

PERLMANN, P. and PERLMANN, H.: Cytotoxic Lymphocytes. Mechanisms of Activation and Target-Cell Destruction 36
PERLMANN, P.: vide WASSERMAN, J.
PERPER, R.; PULTAVITUMA, A.; PALUTKE, MARGARITA, and ROSENBERG, J. C.: A Reversible Acute Reaction Following Intravenous Administration of Antithymocyte Globulin 920
PERRUDET-BADOUX, ANNE and FREI, P. C.: Detection of Antibodies on Blood Lymphocytes in Drug Hypersensitivity Using a Rosette Technique. . . 149
PICK, E.; KREJCI, J., and TURK, J. L.: *In vivo* Action of Soluble Mediators Associated with Cell-Mediated Immunity. 18
PIERONI, R. E.; BUNDEALLY, AMINA E.; AMDUR, MARY O. and LEVINE, L.: *Bordetella pertussis* as a Beta-Adrenergic Blocking Agent 637
PIERONI, R. E.; STEVENS, D. L.; STOJANOVIĆ, A., and LEVINE, L.: Investigation of Cutaneous Histamine Sensitivity in Children with Pertussis 940
POLAK, L.: vide FREY, J. R.
POUPON, M. F.: vide GIRARD, J.-P.
PRESS, P.: vide GIRARD, J.-P.
PULTAVITUMA, A.: vide PERPER, R.
RACZ, I.: vide GLAZER, I.
REMOLD, H. G.; WARD, P., and DAVID, J. R.: Characterization of Migration Inhibitory Factor (MIF) and its Separation from a Chemotactic Factor for Monocytes 16
RESCH, K.: vide FISCHER, H.
RICCI, M.; ROMAGNANI, S.; PASSALEVA, A., and BILIOTTI, G.: *In vivo* and *in vitro* Immunological Responses to Heterologous and Homologous Thyroglobulin in Guinea Pigs Immunized with Heterologous Thyroid Extracts in Freund's Complete Adjuvant. 138
RICHTER, W.: Hapten Inhibition of Passive Antidextran Dextran Anaphylaxis in Guinea Pigs. Role of Molecular Size in Anaphylactogenicity and Precipitability of Dextran Fractions 826
ROBERTS, MARY: vide PATTERSON, R.
ROITT, I. M.: The Significance of Immunoglobulin Determinants on the Lymphocyte Surface 96
ROMAGNANI, S.: vide RICCI, M.
RORSMAN, H.: vide NORDQVIST, B.
ROSENBERG, J. C.: vide PERPER, R.
Round Table Conference on Allergen Standardization 222
ROWLEY, M.: vide LEE, A. K. Y.
SÄFWENBERG, J.: vide LINDAHL-KIESSLING, K.
SALVAGGIO, J.; ARQUEMBOURG, P.; BICKERS, J., and BICE, D.: The Effect of Prolonged Plasmapheresis on Immunoglobulins, other Serum Proteins, Delayed Hypersensitivity and Phytohemagglutinin – Induced Lymphocyte Transformation 883
SALVAGGIO, J.: vide BICE, D.
SAMS, W. M., jr.: vide HERMAN, P. S.
SAPSE, A. T.: vide MODABBER, F. Z.
SCHEIFFARTH, F.: vide WARNATZ, H.

Schell, K.; Daniel, K., and Blazkovec, A. A.: Effects of Anti-Lymphocyte, Anti-Macrophage and Anti-Thymocyte Serum IgG on the Immune Response. I. The Primary and Secondary Responses to Sheep Erythrocytes in Outbred Guinea Pigs 286
Schell, K.; Daniel, K., and Blazkovek, A. A.: Effects of Anti-Lymphocyte, Anti-Macrophage and Anti-Thymocyte Serum IgG on the Immune Response. II. Immediate-type and Delayed-type Cutaneous Hypersensitivity Reactions in Outbred Guinea Pigs 302
Schell, K.: vide Artis, W.
Schindler, R.: vide Cottier, H.
Schoenbechler, M. J.: vide Colwell, E. J.
Schmidt, W. C.: vide Bültimann, B.
Schwartz, H. J.: vide Bice, D.
Sela, M.: On Antibody Formation to Defined Determinants 180
Sengers, C. H. J.: vide Ottens, H.
Siegel, B. V.: vide Neher, G. H.
Silberberg, D. H.: vide Zweiman, B.
Smith, J. W.: vide Parker, Ch. W.
Sodomann, C. P.: vide Bültimann, B.
Sordat, B.: vide Cottier, H.
Sorkin, E. and Stecher, Vera J.: Significance of Leucocyte Chemotaxis in Allergic Reactions 25
Starr, M. S. and Weinstock, Marta: Relationship Between Blocking Antibody Titres and Symptomatic Relief in Hay-fever Subjects Treated with Allpyral 157
Stecher, Vera J.: vide Sorkin, E.
Steiner, A. L.: vide Parker, Ch. W.
Stevens, D. L.: vide Pieroni, R. E.
Stojanović, A.: vide Pieroni, R. E.
Strannegård, Ö.: vide Belin, L.
Talbot, Catharine H.: vide Patterson, R.
Tannenbaum, Marion and Goodfriend, L.: Adsorption of Human Reagins to Ethylchloroformate Polymerized Antigen E and Desorption with Thiocyanate Ions 778
Thompson, A.; Halbert, S. P.; Lin, T. M., and Kiefer, D.: The Cardiac Auto-Immune System. IV. Rat Anti-Rat Heart Auto Antibodies, and Plasma Protein Allotypic Differences Between two Colonies of Sprague-Dawley Rats 419
Thrasher, Susan G.; Bernardis, L. L., and Cohen, S.: The Immune Response in Hypothalamic-Lesioned and Hypophysectomized Rats 813
Transactions of the Collegium Internationale Allergologicum, 8th Symposium in Montreux, May 12–16, 1970: Cellular and Molecular Mechanisms of Cell-Mediated Allergic Reactions. Chemistry and Allergens. 1
Tung, K. S. K.; Unanue, E. R., and Dixon, F. J.: Immunological Events Associated with Immunization by Sperm in Incomplete Freund's Adjuvant 565
Turk, J. L.: vide Pick, E.
Unanue, E. R.: vide Tung, K. S. K.

WACKER, W. B. and LIPTON, M. M.: The Role of two Retina Antigens in Production of Experimental Allergic Uveitis and its Suppression by Microbacteria 370
WARD, P.: vide REMOLD, H. G.
WARNATZ, H. and SCHEIFFARTH, F.: Studies on the Hapten-carrier Specificity of Lymphocyte Transformation 122
WASSERMAN, J.; PACKALÉN, T., and PERLMANN, P.: Antibody-Induced Lysis of Thyroglobulin-Coated Chicken Erythrocytes by Lymphocytes of Non-Immunized Guinea Pigs 910
WASSERMAN, J.: vide PACKALÉN, T.
WECK, A. L. DE: Immunological Effects of Aspirin Anhydride, a Contaminant of Commercial Acetylsalicylic Acid Preparations 393
WECK, A. L. DE: vide FREY, J. R.
WEINSTOCK, MARTA: vide STARR, M. S.
WEST, G. B.: vide GECSE, Á.
WICHER, K.: vide ITO, KOJI.
WILKINSON, P. C. and MCKAY, I. C.: The Chemotactic Activity of Native and Denatured Serum Albumin 237
WINFIELD, J. B.; MARTIN, W. J., and MAGE, ROSE G.: Immunization of Neonatal Rabbits with Bovine Serum Albumin Associated with Allogeneic Thymus Cells. Immune Response and Allotypic Markers of Antibody 895
YAMAMOTO, S.: vide GREAVES, M. W.
YAMASAKI, H. and KOMOTO, S.: Mechanism of Histamine Release by Toluidine Blue from Rat Mast Cells 854
ZSILINSZKY, E.: vide GECSE, Á.
ZSILINSZKY, E.: vide KARÁDY, S.
ZWEIMAN, B. and SILBERBERG, D. H.: *In vitro* Lymphocyte Responsiveness of Human Subjects Receiving Azathioprine 428
OBITUARY: ARTHUR STOLL, 1187–1971 475
NEWS ITEMS 476
ERRATUM 944

Vol. 42, 1972

International Archives of Allergy and Applied Immunology

Incorporating the Transactions of the Collegium Internationale Allergologicum

Founders:
P. Kallós, W. Löffler,
Fred W. Wittich, D. Harley

Editors-in-Chief:
R. R. A. Coombs, Cambridge
H. C. Goodman, Geneva
F. Hahn, Freiburg/Br.
P. Kallós, Helsingborg
P. Miescher, Geneva
F. Milgrom, Buffalo, N.Y.
G. B. West, Epsom, Surrey

Contributing Editors:
E. L. Becker, Washington, D.C.
H. Bloch, Basel
W. E. Brocklehurst, Edinburgh
T. Broman, Göteborg
L. Businco, Roma
A. Cerletti, Basel
A. L. De Weck, Bern
W. P. Faulk, Geneva
P. G. H. Gell, Birmingham
H. Gewurz, Chicago, Ill.
I. Glazer, Tel Aviv
R. A. Good, Minneapolis, Minn.
A. Grumbach, Zürich
M. Hašek, Prague
T. Inderbitzin, Bern
H. Isliker, Lausanne
E. A. Kabat, New York, N. Y.
R. Keller, Zürich
T. Ogata, Tokyo
A. Oliveira-Lima, Rio de Janeiro
Ö. Ouchterlony, Göteborg
W. Pagel, London
R. Panzani, Marseille
I. M. Roitt, London
B. Rose, Montreal
D. Rowe, Lausanne
G. Ruiz-Moreno, Buenos Aires
E. Sorkin, Davos-Platz
H. Storck, Zürich
A. Szenberg, Melbourne
G. Torrigiani, Geneva
Z. Trnka, Basel
B. H. Waksman, New Haven, Conn.
G. L. Waldbott, Detroit, Mich.
R. G. White, Glasgow

S. Karger · Basel · München · Paris · London · New York · Sydney

Contents

ABREU LEME, CID DE: see BEUTNER, E. H.

AGUIRRE, A.: see KATSH, S.

AHLSTEDT, S.; HOLMGREN, J., and HANSON, L. Å.: Significance of Amount and Avidity of *E. coli* O Antibodies for Manifestation of their Serological and Protective Properties. A Preliminary Study 826

ANKIER, S. I. and NEAT, M. L.: Some Studies on Acute Inflammation Induced by Dextran in the Mouse 264

ASSEM, E. S. K.; SCHILD, H. O., and VICKERS, MARGARET R.: Stimulation of Histamine Forming Capacity by Antigen in Sensitized Human Leucocytes . 343

ATTALLAH, N. A.: see KISIL, F. T.

AUER, I. O. and MILGROM, F.: Studies on Thermostable Liver-Specific Antigens. . 871

AUER, I. O.; YAGI, Y.; KASUKAWA, R., and MILGROM, F.: A Solid-Phase Radioimmunoassay for a Thermostable Adrenal-Specific Antigen. 816

AVRAMEAS, S.: see MILLER, H. R. P.

BAENKLER, H. W.; SCHEIFFARTH, F., and MAHLBERG, H. J.: Inhibition of 19S- and 7S-Antibody-Formation by Adoptively Transferred Heterologous and Homologous Immunized Cells 373

BANKHURST, A. D.; ROUSE, B. T., and WARNER, N. L.: Surface Immunoglobulins on Bursa-Derived Chicken Lymphoid Cells 187

BASH, J. A. and MILGROM, F.: Studies on Allotypes in Sheep. 196

BELIN, L.: Immunological Analyses of Birch Pollen Antigens, with Special Reference to the Allergenic Components 300

BELIN, L.: Separation and Characterization of Birch Pollen Antigens with Special Reference to the Allergenic Components. 329

BENCINA, B.: see WHITTINGHAM, S.

BERNAUER, W.; HAHN, F.; NIMPTSCH, P., and WISSLER, J.: Studies on Heart Anaphylaxis. V. Cross-Desensitisation Between Antigen, Anaphylatoxin, and Compound 48/80 in the Guinea-Pig Papillary Muscle 136

BEUTNER, E. H.; CHORZELSKI, T. P.; JARZABEK, M.; WOOD, G. W.; ABREU LEME, CID DE, and BIER, O.: Studies in Immunodermatology. I. Passive Induction of Intraepidermal Clefts in Rabbits by Transfer of Sera from Brazilian Pemphigus Foliaceus Patients 545

BEUTNER, E. H.: see WOOD, G. W.

BIER, O.: see BEUTNER, E. H.

BINAGHI, R. A.: see PERINI, ADENIR

BLAZKOVEC, A. A.: see MAGINN, P. C.

BLUESTONE, R.; GUMPEL, J. M.; GOLDBERG, L. S., and HOLBOROW, E. J.: Salivary Immunoglobulins in Sjögren's Syndrome. 686

BOUSSAC-ARON, YOLANDE: see PERINI, ADENIR

BRAZIL ESTEVES, MARIA: see PERINI, ADENIR

CARNEGIE, P. R.: see WHITTINGHAM, S.

Centeno, E. R.: see Kisil, F. T.

Ceska, M.; Eriksson, R., and Varga, J. M.: Characterization of Allergen Extracts by Polyacrylamide Gel Isoelectrofocusing and Radioimmunosorbent Allergen Assay. I. Distribution of Allergenic Components in Birch Pollen Extracts 430

Ceska, M.: see Varga, J. M.

Chachowski, R.: see Tripodi, D.

Chi-Cheng Tsai: see Taichman, N. S.

Chickosky, Jane F.: see Hinz, C. F. jr.

Chorzelski, T. P.: see Beutner, E. H.

Chorzelski, T. P.:see Wood, G. W.

Cole, L. J. †: see Miller, J. J. III

Coombs, R. R. A.: see Wilson, Anne B.

Curtain, C. C. and Simons, M. J.: Lymphocyte Mitogens of Indigenous Australian Plant Species 225

Daniel, K.: see Maginn, P. C.

DeVald, B. L.: see Tuchinda, M.

Devey, Madeleine: see Wilson, Anne B.

Eisen, A. H.: see Hubscher, T.

Erb, P.; Lazàry, S., and Loeffler, H.: Primary and Secondary Immune Response Kinetics in the Syrian Hamster 362

Eriksson, R.: see Ceska, M.

Feldmann, Marc: see Lennon, Vanda

Fischer, H.: see Lohmann-Matthes, M.-L.

Foucard, T.: Immunochemical and Biological Determination of Reagins. A Comparison Between the Radioallergosorbent Test (RAST) and the Test for Histamine Release from Passively Sensitized Chopped Human Lung (CHLT) 711

Frey, J. R.; Weck, A. L. de; Geleick, N., and Polak, L.: The Induction of Immunological Tolerance During the Primary Response. 278

Friedman, H.; see Sabet, T. Y.

Frommel, D.: see Linna, T. J

Gall, S. A. and Halbert, S. P.: Antigenic Constituents in Pregnancy Plasma which are Undetectable in Normal Non-Pregnant Female or Male Plasma. . 503

Galmarini, Mirian: see Pacheco-Rupil, Beatritz

Geleick, H.: see Frey, J. R.

Girard, J. P.: see Weck, A. L. de

Gleich, G. J.: see Hansen, R. L.

Goldberg, L. S.: see Bluestone, R.

Good, R. A.: see Heim, L. R.

Good, R. A.: see Linna, T. J.

Greaves, M. W.: see Yeoh, T. S.

Greene, E. L.; Halbert, S. P., and Jequier, S.: Analysis of the Tissue Constituents and Enzymes of Human Liver by Crossed Immunoelectrophoresis–Comparison of Normal and Cystic Fibrosis Liver. 751

GRUNDBACHER, F. J. and SCHREFFLER, D. C.: Partial Immunologic Tolerance to the Human B but not to the A Antigen 130
GUMPEL, J. M.: see BLUESTONE, R.
HAHN, F.: see BERNAUER, W.
HALBERT, S. P.: see GALL, S. A.
HALBERT, S. P.: see GREENE, E. L.
HALBERT, S. P.: see TSUE-MING LIN
HAMNSTRÖM, B and WINBLAD, S.: Influence of Species of Origin of Red Blood Cells on *in vitro* Inhibition of Streptolysin O by Serum Lipoproteins. . . . 590
HANSON, L. Å.: see AHLSTEDT, S.
HANSEN, R. L. and GLEICH, G. J.: Immune Response to the Hemocyanin from Limulus Polyphemus in Allergic and Normal Individuals 607
HARGIS, BETTY J.: see MALKIEL, S.
HEIM, L. R.; YUNIS, E. J., and GOOD, R. A.: Pathogenesis of Graft-versus-Host Reaction. II. Influence of Thymectomy and Adrenalectomy on Lymphoid Tissue Pathology; Delineation of Nonthymus-Dependent Lymphoid Elements 565
HEMMINGSSON, E. J. and LINNA, T. J.: Ontogenetic Studies on Lymphoid Cell Traffic in the Chicken. I. Cell Migration from the Bursa of Fabricius. . . . 693
HEMMINGSSON, E. J.: Ontogenetic Studies on Lymphoid Cell Traffic in the Chicken. II. Cell Traffic from the Bursa of Fabricius to the Thymus and the Spleen in the Embryo 764
HENDERSON, D.: see JARRETT, ELLEN E. E.
HINZ, C. F. jr. and CHICKOSKY, JANE F.: Factors Influencing the Stimulation of Human Lymphocytes by Antigen during Culture *in vitro*. Conditions for Lymphocyte Stimulation. 836
HOLBOROW, E. J.: see BLUESTONE, R.
HOLMGREN, J.: see AHLSTEDT, S.
HUBSCHER, T. and EISEN, A. H.: Localization of Ragweed Antigens in the Intact Ragweed Pollen Grain 466
INMAN, J. K.: see ROUQUÈS, RENÉE
JARRETT, ELLEN E. E.; HENDERSON, D.; RILEY, PATRICIA, and WHITE, R. G.: The Effect of Various Adjuvant Regimens and of Nematode Infection on the Reaginic Antibody Response to Egg-Albumin in the Rat. 775
JARZABEK, M.: see BEUTNER, E. H.
JEQUIER, S.: see GREENE, E. L.
JUJI, T.; KANO, K., and MILGROM, F.: Mixed Agglutination with Platelets. . . . 474
KÅGEDAL, L.: see RICHTER, W.
KANO, K.: see JUJI, T.
KASUKAWA, R.: see AUER, I. O.
KATSH, F. G.: see KATSH, S.
KATSCH, S.; AGUIRRE, A.; WILLSON, J. T., and KATSH, G. F.: Aspermatogenesis. Exploration as a Model for Auto-Allergic Diseases. 169
KISIL, F. T.; CENTENO, E. R.; ATTALLAH, N. A., and SEHON, A. H.: Demonstration of Reagin-Allergen Complexes Formed on Elution of Reagins from Immunosorbent with Allergens 40

KOREN, H. S.: see LOHMANN-MATTHES, M.-L.
KROGH, H. K.; MAELAND, J. A., and TÖNDER, O.: Indirect Haemagglutination for Demonstration of Antibodies to Stratum Corneum of Skin 493
LAVALLÉE, A.: see PERELMUTTER, L.
LAZÀRY, S.: see ERB, P.
LENNON, VANDA and FELDMANN, MARC: The Detection of Autoantibody-Forming Cells. I. An Assay for Plaque-Forming Cells to the Basic Protein of Myelin in Guinea-Pigs 627
LEVINE, L.: see PIERONI, R. E.
LEVY, D. A.: see LICHTENSTEIN, L. M.
LIACOPOULOS, P.: see MERCHANT, B.
LICHTENSTEIN, L. M. and LEVY, D. A.: Is 'Desensitization' for Ragweed Hay Fever Immunologically Specific? 615
LINNA, T. J.; FROMMEL, D., and GOOD, R. A.: Effects of Early Cyclophosphamide Treatment of the Development of Lymphoid Organs and Immunological Functions in the Chicken 20
LINNA, T. J.: see HEMMINGSSON, E. J.
LOEFFLER, H.: see ERB, P.
LOHMANN-MATTHES, M.-L.; KOREN, H. S., and FISCHER, H.: Kinetics of the *in vitro* Development of Cytotoxicity against Alloantigens 110
MACH, J.-P.: see PAHUD, J.-J.
MAELAND, J. A.: see KROGH, H. K.
MAGINN, P. C.; DANIEL, K.; SPARR, L., and BLAZKOVEC, A. A.: Further Studies on Guinea Pig and Rabbit Cytophilic Antibodies Directed Against Human Serum Albumin. I. The Immune Response Following Sensitization with Antigen- Antibody Complexes 382
MAGINN, P. C.; SPARR, L.; DANIEL, K., and BLAZKOVEC, A. A.: Further Studies on Guinea Pig and Rabbit Cytophilic Antibodies Directed Against Human Serum Albumin. II. *Ir vitro* Binding Properties and the Role of Cytophilic Antibody in Plaque-Formation as Measured Using the Indirect Technique of Localized Hemolysis in Gel 399
MAHLBERG, H. J.: see BAENKLER, H. W.
MAILLARD, J. L.; PICK, E., and TURK, J. L.: Interaction Between 'Sensitized Lymphocytes' and Antigen *in vitro*. V. Vascular Permeability Induced by Skin-Reactive Factor 50
MALKIEL, S. and HARGIS, BETTY J.: Adjuvance in the Cebus Monkey 323
MARCHAND, ROSE-MARY: see WILSON, ANNE B.
MATHEWS, K. P.; PAN, PAULINE M., and WELLS, J. H.: Experience with Lymphocyte Transformation Tests in Evaluating Allergy to Aminosalicylic Acid, Isoniazid and Streptomycin 653
MCEWEN, L. M. and STARR, M. S.: Enzyme-Potentiated Hyposensitisation. I. The Effect of Pre-treatment with β-Glucuronidase, Hyaluronidase, and Antigen on Anaphylactic Sensitivity of Guinea-Pigs, Rats and Mice 152
MCKEE, A. P.: see TRIPODI, D.
MCPHERSON, A.: see WHITTINGHAM, S.
MEHRISHI, J. N.: Surface Molecular Components of Human Lymphocytes 69

MERCHANT, B. and LIACOPOULOS, P.: Paradoxical Cellular and Serologic Responses following Antigenic Competition 516
MERCHANT, B.: see ROUQUÈS, RENÉE
MILGROM, F.: see AUER, I. O.
MILGROM, F.: see BASH, J. A.
MILGROM, F.: see TUJI, T.
MILLER, H. R. P. and AVRAMEAS, S.: Ultrastructural Localisation of Antigen in Plasma Cells 353
MILLER, J. J. III and COLE, L. J. †: Studies of Non-Migrating, Long-Lived Lymphocytes in Rats and Mice. II. Effects of Anti-Lymph Node and Anti-Thymus Antisera 118
MUIR, J. D.: see RANADIVE, N. S.
NEAT, M. L.: see ANKIER, S. I.
NEWCOMB, R. W.: see TUCHINDA, M.
NIMPTSCH, P.: see BERNAUER, W.
ORIOL, R.: see PERINI, ADENIR
PACHECO-RUPIL, BEATRITZ; YANTORNO, C., and GALMARINI, MIRIAN: Antibody Response to Phytohaemagglutinin in Rats 596
PAHUD, J.-J. and MACH, J.-P.: Equine Secretory IgA and Secretory Component . . 175
PAN, PAULINE M.: see MATHEWS, K. P.
PASKEWITZ, A.: see TSUE-MING LIN
PERELMUTTER, L.; LAVALLÉE, A., and WIBERG, G. S.: The Effect of Laundry Detergent Containing *B. subtilis* Enzyme in Producing Sensitization Reactions in Guinea Pigs 215
PERINI, ADENIR; BINAGHI, R. A.; BOUSSAC-ARON, YOLANDE; ORID, R., and BRAZIL ESTEVES, MARÍA: Heterogeneity of Guinea Pig γ_1 and γ_2 Immunoglobulins 8
PICK, E.: see MAILLARD, J. L.
PIERONI, R. E.; STEVENS, D. L.; STOJANOVIĆ, A. and LEVINE, L.: Investigation of the Responsiveness of BCG-Vaccinated Children with Whooping-Cough to Tuberculin 583
POLAK, L.: see FREY, J. R.
POLLACK, W.: see TRIPODI, D.
POMERANZ, J. R.: see SILVERMAN, A. S.
RANADIVE, N. S. and MUIR, J. D.: Similarity in the Mechanism of Histamine Release Induced by Cationic Protein from Neutrophils and by Complement Dependent Ag-Ab Reaction 236
REDECKER, A.: see TRIPODI, D.
RICHTER, W. and KÅGEDAL, L.: Preparation of Dextran-Protein Conjugates and Studies of their Immunogenicity 885
RILEY, PATRICIA: see JARRETT, ELLEN E. E.
ROUQUÈS, RENÉE; INMAN, J. K. and MERCHANT, B.: Detection of Cells Secreting Antibodies more Reactive with an Alternate Structure than with the Immunizing Hapten 852
ROUSE, B. T.: see BANKHURST, A. D.
SABET, T. Y. and FRIEDMAN, H.: Antibody Plaque Formation *in vitro* in the Presence of Respiration Inhibitors 161

Scheiffarth, F.: see Baenkler, H. W.
Schneider, C. H.: see Weck, A. L. De
Schreffler, D. C.: see Grundbacher, F. J.
Sehon, A. H.: see Kisil, F. T.
Shild, H. O.: see Assem, E. S. K.
Silverman, A. S. and Pomeranz, J. R.: Studies on the Localization of Hapten in Guinea Pigs Picryl Chloride 1
Simons, M. J.: see Curtain, C. C.
Sorkin, E.: see Wissler, J. H.
Sparr, L.: see Maginn, P. C.
Starr, M. S.: see McEwen, L. M.
Stecher, V. J.: see Wissler, J. H.
Stevens, D. L.: see Pieroni, R. E.
Stojanović, A.: see Pieroni, R. E.
St. Pierre, R. L.: see Toben, H. R.
Sundqvist, K. G.: Reactivity of Sera from Patients with Renal and Liver Diseases with Membrane Antigens on Monkey Kidney Cells. 641
Taichman, N. S. and Chi-Cheng Tsai: Heterophile Antibodies and Tissue Injury. II. Ultrastructure of Dermal Vascular Lesions Produced by Forssman Antiserum in Guinea Pigs 78
Tay, C. H.: see Yeoh, T. S.
Toben, H. R. and St. Pierre, R. L.: Alteration of Immunological Reactivity in Chickens by the *in ovo* Administration of Antisera Against Central Lymphoid Tissue 454
Tönder, O.: see Krogh, H. K.
Tripodi, D.; Redecker, A.; McKee, A. P.; Chachowski, R., and Pollack, W.: A Comparative Clinical Evaluation of Hepatitis-Associated Antigen Detection. I. Hepatitis-Associated Antigen Detection among Liver Disease Patients 681
Tsue-Ming Lin; Halbert, S. P., and Paskewitz, A.: The Cardiac Auto-Immune System. V. Human Heart Antigens Cross-Reactive with Rabbit Anti-Rabbit Heart Auto-Antibodies 88
Tuchinda, M.; Newcomb, R. W., and DeVald, B. L.: Effect of Prednisone Treatment on the Human Immune Response to Keyhole Limpet Hemocyanin 533
Turk, J. L.: see Maillard, J. L.
Varga, J. M. and Ceska, M.: Characterization of Allergen Extracts by Polyacrylamide Gel Isoelectrofocusing and Radioimmunosorbent Allergen Assay. II. Dog and Cat Allergens 438
Varga, J. M.: see Ceska, M.
Vickers, Margaret, R.: see Assem, E. S.K.
Warner, N. L.: see Bankhurst, A. D.
Weck, A. L. De and Schneider, C. H.: Specific Inhibition of Allergic Reactions to Penicillin in Man by a Monovalent Hapten. I. Experimental Immunological and Toxicologic Studies 782
Weck, A. L. De and Girard, J. P.: Specific Inhibition of Allergic Reactions to Penicillin in Man by a Monovalent Hapton. II. Clinical Studies. . . . 798

Weck, A. L.: see Frey, J. R.
Wells, J. H.: see Mathews, K. P.
Went. Maria: see Csaba, B.
White, R. G.: see Jarrett, Ellen, E. E.
Whittingham, S; Bencina, B; Carnegie, P. R., and McPherson, T. A.: Properties of Antibodies Produced in Rabbits to Human Myelin and Myelin Basic Protein 250
Wiberg, G. S.: see Perelmutter, L.
Willson, J. T.: see Katsh, S.
Wilson, Anne B.; Marchand, Rose-Mary; Wilson, D. V.; Devey Madeleine, and Coombs, R. R. A.: Reaginic Antibodies on Basophils in Grass Pollen Allergy, as shown by Rosette-Formation 668
Wilson, D. V.: see Wilson, Anne B.
Winblad, S.: see Hamnström, B.
Wissler, J. H.; Stecher, V. J., and Sorkin, E.: Biochemistry and Biology of a Leucotactic Binary Serum Peptide System Related to Anaphylatoxin . 722
Wissler, J.: see Bernauer, W.
Wood, G. W.; Beutner, E. H., and Chorzelski, T. P.: Studies in Immunodermatology. II. Production of Pemphigus-Like Lesions by Intradermal Injection of Monkeys with Brazilian Pemphigus Foliaceus Sera 556
Wood, G. W.: see Beutner, E. H.
World Health Organization Technical Report Series No. 496. Clincial Immunology. Report of a WHO Scientific Group . . . . . after 750
Yagi, Y.: see Auer, I. O.
Yantorno, C.: see Pacheco-Rupil, Beatritz
Yeoh, T. S.; Tay, C. H., and Greaves, M. W.: Anaphylactic Release of Histamine from Guinea Pig Skin *in vitro* 485
Yunis, E. J.: see Heim, L. R.
Letter to the Editors 748
Book Reviews 159, 328, 491
News Items 492
Erratum 492

S. Karger · Basel · München · Paris · London · New York · Sydney
Arnold-Böcklin-Strasse 25, CH–4000 Basel 11 (Switzerland)

All rights, including that of translation into other languages, reserved.
Photomechanic reproduction (photocopy, microcopy) of this book or parts thereof without special permission of the publishers prohibited.

© Copyright 1972 by S. Karger AG, Verlag für Medizin und Naturwissenschaften, Basel
Printed in Switzerland by Buchdruckerei National-Zeitung AG, Basel